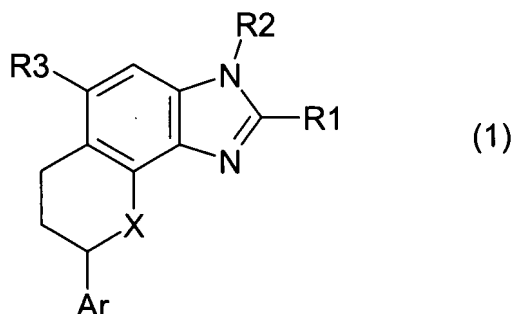




Appendix A

Claim Amendments

1. (Previously presented) A compound of formula 1,



in which

- R1 is hydrogen, halogen, hydroxyl, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy, 1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxycarbonyl, 2-4C-alkenyl, 2-4C-alkynyl, fluoro-1-4C-alkyl, hydroxy-1-4C-alkyl or mono- or di-1-4C-alkylamino,
- R2 is hydrogen, 1-4C-alkyl, 1-4C-alkoxy, 1-4C-alkoxy-1-4C-alkyl, aryl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxycarbonyl, mono- or di-1-4C-alkylamino-1-4C-alkylcarbonyl, hydroxy-1-4C-alkyl, fluoro-2-4C-alkyl,
- R3 is hydrogen, halogen, fluoro-1-4C-alkyl, carboxyl, 1-4C-alkoxycarbonyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-

alkyl, 1-4C-alkoxy-1-4C-alkoxy-1-4C-alkyl, fluoro-1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkoxy, 1-4C-alkylcarbonylamino, 1-4C-alkylcarbonyl-N-1-4C-alkylamino, 1-4C-alkoxy-1-4C-alkylcarbonylamino or the group -CO-NR₃₁R₃₂,

where

R₃₁ is hydrogen, hydroxyl, 1-7C-alkyl, 3-7C-cycloalkyl, hydroxy-1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl and

R₃₂ is hydrogen, 1-7C-alkyl, 3-7C-cycloalkyl, hydroxy-1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl,

or where

R₃₁ and R₃₂ together, including the nitrogen atom to which both are bonded, are a pyrrolidino, hydroxypyrrolidino, aziridino, azetidino, piperidino, piperazino, N-1-4C-alkylpiperazino or morpholino group,

X is O (oxygen) or NH and

Ar is a mono- or bicyclic aromatic residue, substituted by R₄, R₅, R₆ and R₇, which is selected from the group consisting of phenyl, naphthyl, pyrrolyl, pyrazolyl, imidazolyl, 1,2,3-triazolyl, indolyl, benzimidazolyl, furyl, benzofuryl, thienyl, benzothienyl, thiazolyl, isoxazolyl, pyridinyl, pyrimidinyl, chinolinyl and isochinolinyl,

wherein

R4 is hydrogen, 1-4C-alkyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy, 2-4C-alkenyloxy, 1-4C-alkylcarbonyl, carboxy, 1-4C-alkoxycarbonyl, carboxy-1-4C-alkyl, 1-4C-alkoxycarbonyl-1-4C-alkyl, halogen, hydroxy, aryl, aryl-1-4C-alkyl, aryl-oxy, aryl-1-4C-alkoxy, trifluoromethyl, nitro, amino, mono- or di-1-4C-alkylamino, 1-4C-alkylcarbonylamino, 1-4C-alkoxycarbonylamino, 1-4C-alkoxy-1-4C-alkoxycarbonylamino or sulfonyl,

R5 is hydrogen, 1-4C-alkyl, 1-4C-alkoxy, 1-4C-alkoxycarbonyl, halogen, trifluoromethyl or hydroxy,

R6 is hydrogen, 1-4C-alkyl or halogen and

R7 is hydrogen, 1-4C-alkyl or halogen,

and wherein

aryl is phenyl or substituted phenyl with one, two or three same or different substituents from the group of 1-4C-alkyl, 1-4C-alkoxy, carboxy, 1-4C-alkoxycarbonyl, halogen, trifluoromethyl, nitro, trifluoromethoxy, hydroxy and cyano,

or a hydrate, solvate, salt, hydrate of a salt or solvate of a salt thereof.

2. (Previously presented) A compound of formula 1 according to claim 1,

in which

R1 is hydrogen, halogen, hydroxyl, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy, 1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxycarbonyl, 2-4C-alkenyl, 2-4C-alkynyl, fluoro-1-4C-alkyl, hydroxy-1-4C-alkyl or mono- or di-1-4C-alkylamino,

R2 is hydrogen, 1-4C-alkyl, 1-4C-alkoxy, 1-4C-alkoxy-1-4C-alkyl, aryl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxycarbonyl, mono- or di-1-4C-alkylamino-1-4C-alkylcarbonyl, hydroxy-1-4C-alkyl, fluoro-2-4C-alkyl,

R3 is hydrogen, halogen, fluoro-1-4C-alkyl, carboxyl, 1-4C-alkoxycarbonyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkoxy-1-4C-alkyl, fluoro-1-4C-alkoxy-1-4C-alkyl or the group -CO-NR₃₁R₃₂,

where

R₃₁ is hydrogen, hydroxyl, 1-7C-alkyl, hydroxy-1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl and

R₃₂ is hydrogen, 1-7C-alkyl, hydroxy-1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl,

or where

R31 and R32 together, including the nitrogen atom to which both are bonded, are a pyrrolidino, piperidino, piperazino, N-1-4C-alkylpiperazino or morpholino group,

X is O (oxygen) or NH and

Ar is a mono- or bicyclic aromatic residue, substituted by R4, R5, R6 and R7, which is selected from the group consisting of phenyl, naphthyl, pyrrolyl, pyrazolyl, imidazolyl, 1,2,3-triazolyl, indolyl, benzimidazolyl, furyl, benzofuryl, thienyl, benzothienyl, thiazolyl, isoxazolyl, pyridinyl, pyrimidinyl, chinolinyl and isochinolinyl,

wherein

R4 is hydrogen, 1-4C-alkyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy, 2-4C-alkenyloxy, 1-4C-alkylcarbonyl, carboxy, 1-4C-alkoxycarbonyl, carboxy-1-4C-alkyl, 1-4C-alkoxycarbonyl-1-4C-alkyl, halogen, hydroxy, aryl, aryl-1-4C-alkyl, aryl-oxy, aryl-1-4C-alkoxy, trifluoromethyl, nitro, amino, mono- or di-1-4C-alkylamino, 1-4C-alkylcarbonylamino, 1-4C-alkoxycarbonylamino, 1-4C-alkoxy-1-4C-alkoxycarbonylamino or sulfonyl,

R5 is hydrogen, 1-4C-alkyl, 1-4C-alkoxy, 1-4C-alkoxycarbonyl, halogen, trifluoromethyl or hydroxy,

R6 is hydrogen, 1-4C-alkyl or halogen and

R7 is hydrogen, 1-4C-alkyl or halogen,

and wherein

aryl is phenyl or substituted phenyl with one, two or

three same or different substituents from the group of

1-4C-alkyl, 1-4C-alkoxy, carboxy, 1-4C-alkoxycarbonyl,

halogen, trifluoromethyl, nitro, trifluoromethoxy,

hydroxy and cyano,

or a hydrate, solvate, salt, hydrate of a salt or solvate of a salt thereof.

3. (Previously presented) A compound of formula 1 according to claim 1,

in which

R1 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl or fluoro-1-4C-alkyl,

R2 is hydrogen, 1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl,

R3 is hydrogen, halogen, carboxyl, 1-4C-alkoxycarbonyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkoxy-1-4C-alkyl, 1-4C-alkylcarbonyl-N-1-4C-alkylamino or the group -CO-NR₃₁R₃₂,

where

R31 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, hydroxy-1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl and

R32 is hydrogen or 1-4C-alkyl,

or where

R31 and R32 together, including the nitrogen atom to which both are bonded, are a pyrrolidino, hydroxypyrrolidino, aziridino, azetidino, piperidino, piperazino, N-1-4C-alkylpiperazino or morpholino group,

X is O (oxygen) or NH and

Ar is a phenyl group, substituted by R4, R5, R6 and R7, wherein

R4 is hydrogen, 1-4C-alkyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy, 2-4C-alkenyloxy, 1-4C-alkylcarbonyl, carboxy, 1-4C-alkoxycarbonyl, carboxy-1-4C-alkyl, 1-4C-alkoxycarbonyl-1-4C-alkyl, halogen, hydroxy, trifluoromethyl, nitro, amino, mono- or di-1-4C-alkylamino, 1-4C-alkylcarbonylamino, 1-4C-alkoxycarbonylamino, 1-4C-alkoxy-1-4C-alkoxycarbonylamino or sulfonyl,

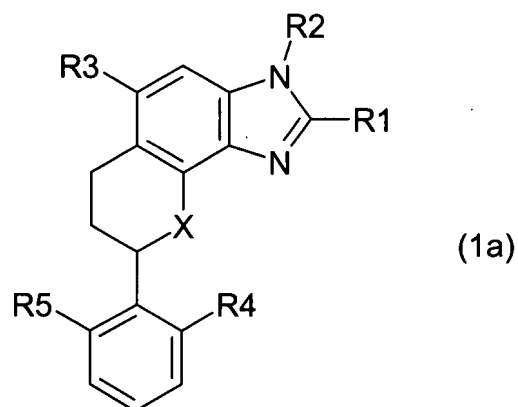
R5 is hydrogen, 1-4C-alkyl, 1-4C-alkoxy, 1-4C-alkoxycarbonyl, halogen, trifluoromethyl or hydroxy,

R6 is hydrogen, 1-4C-alkyl or halogen and

R7 is hydrogen, 1-4C-alkyl or halogen,

or a hydrate, solvate, salt, hydrate of a salt or solvate of a salt thereof.

4. (Previously presented) A compound according to claim 1, characterized by the formula 1a,



in which

R1 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl or fluoro-1-4C-alkyl,

R2 is hydrogen, 1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl,

R3 is hydrogen, halogen, carboxyl, 1-4C-alkoxycarbonyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkoxy-1-4C-alkyl, 1-4C-alkylcarbonyl-N-1-4C-alkylamino or the group -CO-NR₃₁R₃₂,

where

R₃₁ is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, hydroxy-1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl and

R32 is hydrogen or 1-4C-alkyl,

or where

R31 and R32 together, including the nitrogen atom to which both are bonded, are a pyrrolidino, hydroxypyrrolidino, aziridino, azetidino, piperidino, piperazino, N-1-4C-alkylpiperazino or morpholino group,

R4 is hydrogen, 1-4C-alkyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy, 1-4C-alkoxycarbonyl, trifluoromethyl, amino, mono- or di-1-4C-alkylamino, 1-4C-alkylcarbonylamino, 1-4C-alkoxycarbonylamino or 1-4C-alkoxy-1-4C-alkoxycarbonylamino,

R5 is hydrogen, 1-4C-alkyl or 1-4C-alkoxy and

X is O (oxygen) or NH,

or a hydrate, solvate, salt, hydrate of a salt or solvate of a salt thereof.

5. (Previously presented) A compound of formula 1a according to claim 4,

in which

R1 is 1-4C-alkyl, 3-7C-cycloalkyl or fluoro-1-4C-alkyl,

R2 is hydrogen, 1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl,

R3 is hydrogen, carboxyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkoxy-1-4C-alkyl, 1-4C-

alkylcarbonyl-N-1-4C-alkylamino or the group -CO-NR₃₁R₃₂,

where

R₃₁ is hydrogen, 1-4C-alkyl, hydroxy-1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl and

R₃₂ is hydrogen or 1-4C-alkyl,

or where

R₃₁ and R₃₂ together, including the nitrogen atom to which both are bonded, are a pyrrolidino, aziridino, azetidino or morpholino group,

R₄ is hydrogen,

R₅ is hydrogen and

X is O (oxygen) or NH,

or a hydrate, solvate, salt, hydrate of a salt or solvate of a salt thereof.

6. (Previously presented) A compound of formula 1a

according to claim 4,

in which

R₁ is 1-4C-alkyl, 3-7C-cycloalkyl or fluoro-1-4C-alkyl,

R₂ is 1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl,

R₃ is carboxyl, 1-4C-alkoxycarbonyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkoxy-1-4C-

alkyl, 1-4C-alkylcarbonyl-N-1-4C-alkylamino or the group
-CO-NR₃₁R₃₂,

where

R₃₁ is hydrogen, 1-4C-alkyl, hydroxy-1-4C-alkyl or 1-4C-
alkoxy-1-4C-alkyl and

R₃₂ is hydrogen or 1-4C-alkyl,

or where

R₃₁ and R₃₂ together, including the nitrogen atom to
which both are bonded, are a pyrrolidino,
hydroxypyrrolidino, aziridino, azetidino or morpholino
group,

R₄ is hydrogen,

R₅ is hydrogen and

X is O (oxygen) or NH,

or a hydrate, solvate, salt, hydrate of a salt or solvate
of a salt thereof.

7. (Previously presented) A compound of the formula 1a

according to claim 4,

in which

R₁ is 1-4C-alkyl,

R₂ is 1-4C-alkyl,

R3 is hydroxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl or the group -CO-NR₃₁R₃₂,

where

R₃₁ is hydrogen, 1-4C-alkyl, hydroxy-2-4C-alkyl or 1-4C-alkoxy-2-4C-alkyl and

R₃₂ is hydrogen,

or where

R₃₁ and R₃₂ together, including the nitrogen atom to which both are bonded, are a pyrrolidino group,

R₄ is hydrogen,

R₅ is hydrogen and

X is O (oxygen) or NH,

or a hydrate, solvate, salt, hydrate of a salt or solvate of a salt thereof.

8. (Previously presented) A compound of formula 1a according to claim 4,

in which

R₁ is 1-4C-alkyl or fluoro-1-4C-alkyl,

R₂ is 1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl,

R₃ is carboxyl, 1-4C-alkoxycarbonyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkoxy-1-4C-alkyl or the group -CO-NR₃₁R₃₂,

where

R31 is hydrogen, 1-4C-alkyl, hydroxy-2-4C-alkyl or 1-4C-alkoxy-2-4C-alkyl and

R32 is hydrogen or 1-4C-alkyl,

or where

R31 and R32 together, including the nitrogen atom to which both are bonded, are a pyrrolidino or morpholino group,

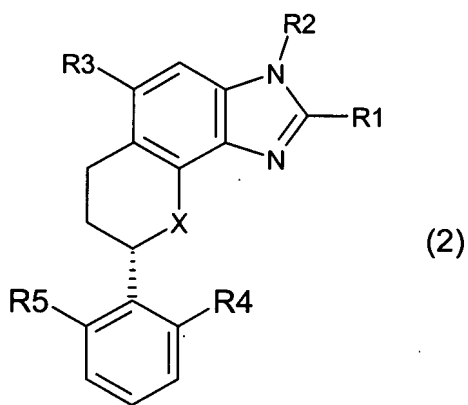
R4 is hydrogen,

R5 is hydrogen and

X is O (oxygen) or NH,

or a hydrate, solvate, salt, hydrate of a salt or solvate of a salt thereof.

9. (Previously presented) A compound according to claim 1, characterized by the formula 2,



in which

R1 is 1-4C-alkyl or 3-7C-cycloalkyl,

R2 is hydrogen or 1-4C-alkyl,

R3 is 1-4C-alkoxycarbonyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl or the group -CO-NR31R32,

where

R31 is hydrogen, 1-4C-alkyl, hydroxy-1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl and

R32 is hydrogen or 1-4C-alkyl,

or where

R31 and R32 together, including the nitrogen atom to which both are bonded, are a pyrrolidino, aziridino, azetidino or morpholino group,

R4 is hydrogen,

R5 is hydrogen and

X is O (oxygen) or NH,

or a hydrate, solvate, salt, hydrate of a salt or solvate of a salt thereof.

10. (Previously presented) A compound of formula 2 according to claim 9,

in which

R1 is 1-4C-alkyl, 3-7C-cycloalkyl or fluoro-1-4C-alkyl,
 R2 is 1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl,
 R3 is carboxyl, 1-4C-alkoxycarbonyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkoxy-1-4C-alkyl, 1-4C-alkylcarbonyl-N-1-4C-alkylamino or the group -CO-NR₃₁R₃₂,

where

R₃₁ is hydrogen, 1-4C-alkyl, hydroxy-1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl and

R₃₂ is hydrogen or 1-4C-alkyl,

or where

R₃₁ and R₃₂ together, including the nitrogen atom to which both are bonded, are a pyrrolidino, hydroxypyrrolidino, aziridino, azetidino or morpholino group,

R4 is hydrogen,

R5 is hydrogen and

X is O (oxygen) or NH,

or a hydrate, solvate, salt, hydrate of a salt or solvate of a salt thereof.

11. (Previously presented) A pharmaceutical composition comprising a compound as claimed in claim 1 and/or a

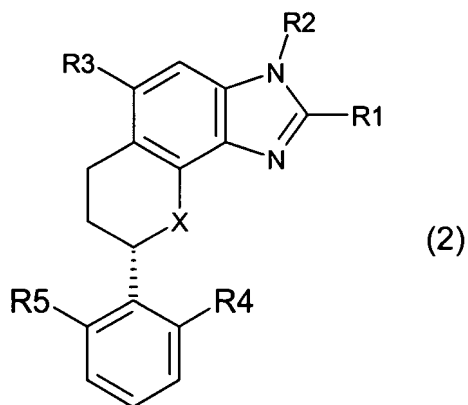
pharmacologically acceptable hydrate, solvate, salt, hydrate of a salt or solvate of a salt thereof together with a pharmaceutically acceptable auxiliary and/or excipient.

12. (Canceled)

13. (Previously presented) A method of preventing or treating a gastrointestinal disorder in a patient comprising administering to a patient in need thereof a therapeutically effective amount of a compound as claimed in claim 1 or a hydrate, solvate, salt, hydrate of a salt or solvate of a salt thereof.

14. (Previously presented) A compound of formula 1 according to claim 1 selected from the group consisting of (8S)-2,3-dimethyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-d]imidazole-5-carboxylic acid dimethylamide, (8S)-2-methyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-d]imidazole-5-carboxylic acid dimethylamide oxalate, and (8S)-2,3-dimethyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-d]imidazole-5-carboxylic acid methylamide.

15. (New) A compound of the general formula 2,



in which the substituents R1, R2, R3, R4, R5 and X have the meanings given in the following table, whereby Me is CH₃ and Et is C₂H₅

R1	R2	R3	R4	R5	X
Me	Me	CH ₂ OH	H	H	O
Me	Me	CH ₂ OCH ₃	H	H	O
Me	Me	CONHMe	H	H	O
Me	Me	CON-pyrrolidine	H	H	O
Me	Me	CONH(CH ₂) ₂ OH	H	H	O
Me	Me	CONH(CH ₂) ₂ OMe	H	H	O
Me	Me	CONH ₂	H	H	O
Me	Me	CON-morpholine	H	H	O
Me	Me	CONMe ₂	H	H	O
Me	Me	CH ₂ O(CH ₂) ₂ OMe	H	H	O
Me	Me	CON-aziridine	H	H	O
Me	Me	COOEt	H	H	O
Me	Me	COOH	H	H	O
Me	Me	CON-azetidine	H	H	O
Me	Me	CONH(CH ₂) ₂ Me	H	H	O
Me	Me	CONHCH ₂ CHOHCH ₂ OH	H	H	O
Me	Me	NCH ₃ COCH ₃	H	H	O
Me	Me	NHCOCH ₃	H	H	O
Me	Me	NHCOCH ₂ OMe	H	H	O
Me	Me	NHCO(CH ₂) ₂ OMe	H	H	O
Me	Me	OCH ₂ OMe	H	H	O
Me	Me	O(CH ₂) ₂ OMe	H	H	O
Me	Me	CONH-cyclopropyl	H	H	O

R1	R2	R3	R4	R5	X
Me	Me	H	H	H	O
Cyclopropyl	Me	CH ₂ OCH ₃	H	H	O
Cyclopropyl	Me	CONHMe	H	H	O
Cyclopropyl	Me	CON-pyrrolidine	H	H	O
Cyclopropyl	Me	CONH(CH ₂) ₂ OH	H	H	O
Cyclopropyl	Me	CONH(CH ₂) ₂ OMe	H	H	O
Cyclopropyl	Me	CONH ₂	H	H	O
Cyclopropyl	Me	CON-morpholine	H	H	O
Cyclopropyl	Me	CONMe ₂	H	H	O
Cyclopropyl	Me	CH ₂ O(CH ₂) ₂ OMe	H	H	O
Cyclopropyl	Me	CON-aziridine	H	H	O
Cyclopropyl	Me	COOEt	H	H	O
Cyclopropyl	Me	COOH	H	H	O
Cyclopropyl	Me	CON-azetidine	H	H	O
Cyclopropyl	Me	CONH(CH ₂) ₂ Me	H	H	O
Cyclopropyl	Me	CONHCH ₂ CHOHCH ₂ OH	H	H	O
Cyclopropyl	Me	NCH ₃ COCH ₃	H	H	O
Cyclopropyl	Me	NHCOCH ₃	H	H	O
Cyclopropyl	Me	NHCOCH ₂ OMe	H	H	O
Cyclopropyl	Me	NHCO(CH ₂) ₂ OMe	H	H	O
Cyclopropyl	Me	OCH ₂ OMe	H	H	O
Cyclopropyl	Me	O(CH ₂) ₂ OMe	H	H	O
Cyclopropyl	Me	CONH-cyclopropyl	H	H	O
Cyclopropyl	Me	H	H	H	O
CF ₃	Me	CH ₂ OCH ₃	H	H	O
CF ₃	Me	CONHMe	H	H	O
CF ₃	Me	CON-pyrrolidine	H	H	O
CF ₃	Me	CONH(CH ₂) ₂ OH	H	H	O
CF ₃	Me	CONH(CH ₂) ₂ OMe	H	H	O
CF ₃	Me	CONH ₂	H	H	O
CF ₃	Me	CON-morpholine	H	H	O
CF ₃	Me	CONMe ₂	H	H	O
CF ₃	Me	CH ₂ O(CH ₂) ₂ OMe	H	H	O
CF ₃	Me	CON-aziridine	H	H	O
CF ₃	Me	COOEt	H	H	O
CF ₃	Me	COOH	H	H	O
CF ₃	Me	CON-azetidine	H	H	O
CF ₃	Me	CONH(CH ₂) ₂ Me	H	H	O
CF ₃	Me	CONHCH ₂ CHOHCH ₂ OH	H	H	O
CF ₃	Me	NCH ₃ COCH ₃	H	H	O
CF ₃	Me	NHCOCH ₃	H	H	O
CF ₃	Me	NHCOCH ₂ OMe	H	H	O
CF ₃	Me	NHCO(CH ₂) ₂ OMe	H	H	O
CF ₃	Me	OCH ₂ OMe	H	H	O
CF ₃	Me	O(CH ₂) ₂ OMe	H	H	O
CF ₃	Me	CONH-cyclopropyl	H	H	O
CF ₃	Me	H	H	H	O
Me	CH ₂ OMe	CH ₂ OCH ₃	H	H	O
Me	CH ₂ OMe	CONHMe	H	H	O
Me	CH ₂ OMe	CON-pyrrolidine	H	H	O
Me	CH ₂ OMe	CONH(CH ₂) ₂ OH	H	H	O
Me	CH ₂ OMe	CONH(CH ₂) ₂ OMe	H	H	O

R1	R2	R3	R4	R5	X
Me	CH ₂ OMe	CONH ₂	H	H	O
Me	CH ₂ OMe	CON-morpholine	H	H	O
Me	CH ₂ OMe	CONMe ₂	H	H	O
Me	CH ₂ OMe	CH ₂ O(CH ₂) ₂ OMe	H	H	O
Me	CH ₂ OMe	CON-aziridine	H	H	O
Me	CH ₂ OMe	COOEt	H	H	O
Me	CH ₂ OMe	COOH	H	H	O
Me	CH ₂ OMe	CON-azetidine	H	H	O
Me	CH ₂ OMe	CONH(CH ₂) ₂ Me	H	H	O
Me	CH ₂ OMe	CONHCH ₂ CHOHCH ₂ OH	H	H	O
Me	CH ₂ OMe	NCH ₃ COCH ₃	H	H	O
Me	CH ₂ OMe	NHCOCH ₃	H	H	O
Me	CH ₂ OMe	NHCOCH ₂ OMe	H	H	O
Me	CH ₂ OMe	NHCO(CH ₂) ₂ OMe	H	H	O
Me	CH ₂ OMe	OCH ₂ OMe	H	H	O
Me	CH ₂ OMe	O(CH ₂) ₂ OMe	H	H	O
Me	CH ₂ OMe	CONH-cyclopropyl	H	H	O
Me	CH ₂ OMe	H	H	H	O
Me	H	CH ₂ OCH ₃	H	H	O
Me	H	CONHMe	H	H	O
Me	H	CON-pyrrolidine	H	H	O
Me	H	CONH(CH ₂) ₂ OH	H	H	O
Me	H	CONH(CH ₂) ₂ OMe	H	H	O
Me	H	CONH ₂	H	H	O
Me	H	CON-morpholine	H	H	O
Me	H	CONMe ₂	H	H	O
Me	H	CH ₂ O(CH ₂) ₂ OMe	H	H	O
Me	H	CON-aziridine	H	H	O
Me	H	COOEt	H	H	O
Me	H	COOH	H	H	O
Me	H	CON-azetidine	H	H	O
Me	H	CONH(CH ₂) ₂ Me	H	H	O
Me	H	CONHCH ₂ CHOHCH ₂ OH	H	H	O
Me	H	NCH ₃ COCH ₃	H	H	O
Me	H	NHCOCH ₃	H	H	O
Me	H	NHCOCH ₂ OMe	H	H	O
Me	H	NHCO(CH ₂) ₂ OMe	H	H	O
Me	H	OCH ₂ OMe	H	H	O
Me	H	O(CH ₂) ₂ OMe	H	H	O
Me	H	CONH-cyclopropyl	H	H	O
Me	H	H	H	H	O
Me	Me	H	H	H	NH
Cyclopropyl	Me	CH ₂ OCH ₃	H	H	NH
Cyclopropyl	Me	CONHMe	H	H	NH
Cyclopropyl	Me	CON-pyrrolidine	H	H	NH
Cyclopropyl	Me	CONH(CH ₂) ₂ OH	H	H	NH
Cyclopropyl	Me	CONH(CH ₂) ₂ OMe	H	H	NH
Cyclopropyl	Me	CONH ₂	H	H	NH
Cyclopropyl	Me	CON-morpholine	H	H	NH
Cyclopropyl	Me	CONMe ₂	H	H	NH
Cyclopropyl	Me	CH ₂ O(CH ₂) ₂ OMe	H	H	NH
Cyclopropyl	Me	CON-aziridine	H	H	NH

R1	R2	R3	R4	R5	X
Cyclopropyl	Me	COOEt	H	H	NH
Cyclopropyl	Me	COOH	H	H	NH
Cyclopropyl	Me	CON-azetidine	H	H	NH
Cyclopropyl	Me	CONH(CH ₂) ₂ Me	H	H	NH
Cyclopropyl	Me	CONHCH ₂ CHOHCH ₂ OH	H	H	NH
Cyclopropyl	Me	NCH ₃ COCH ₃	H	H	NH
Cyclopropyl	Me	NHCOCH ₃	H	H	NH
Cyclopropyl	Me	NHCOCH ₂ OMe	H	H	NH
Cyclopropyl	Me	NHCO(CH ₂) ₂ OMe	H	H	NH
Cyclopropyl	Me	OCH ₂ OMe	H	H	NH
Cyclopropyl	Me	O(CH ₂) ₂ OMe	H	H	NH
Cyclopropyl	Me	CONH-cyclopropyl	H	H	NH
Cyclopropyl	Me	H	H	H	NH
CF ₃	Me	CH ₂ OCH ₃	H	H	NH
CF ₃	Me	CONHMe	H	H	NH
CF ₃	Me	CON-pyrrolidine	H	H	NH
CF ₃	Me	CONH(CH ₂) ₂ OH	H	H	NH
CF ₃	Me	CONH(CH ₂) ₂ OMe	H	H	NH
CF ₃	Me	CONH ₂	H	H	NH
CF ₃	Me	CON-morpholine	H	H	NH
CF ₃	Me	CONMe ₂	H	H	NH
CF ₃	Me	CH ₂ O(CH ₂) ₂ OMe	H	H	NH
CF ₃	Me	CON-aziridine	H	H	NH
CF ₃	Me	COOEt	H	H	NH
CF ₃	Me	COOH	H	H	NH
CF ₃	Me	CON-azetidine	H	H	NH
CF ₃	Me	CONH(CH ₂) ₂ Me	H	H	NH
CF ₃	Me	CONHCH ₂ CHOHCH ₂ OH	H	H	NH
CF ₃	Me	NCH ₃ COCH ₃	H	H	NH
CF ₃	Me	NHCOCH ₃	H	H	NH
CF ₃	Me	NHCOCH ₂ OMe	H	H	NH
CF ₃	Me	NHCO(CH ₂) ₂ OMe	H	H	NH
CF ₃	Me	OCH ₂ OMe	H	H	NH
CF ₃	Me	O(CH ₂) ₂ OMe	H	H	NH
CF ₃	Me	CONH-cyclopropyl	H	H	NH
CF ₃	Me	H	H	H	NH
Me	CH ₂ OMe	CH ₂ OCH ₃	H	H	NH
Me	CH ₂ OMe	CONHMe	H	H	NH
Me	CH ₂ OMe	CON-pyrrolidine	H	H	NH
Me	CH ₂ OMe	CONH(CH ₂) ₂ OH	H	H	NH
Me	CH ₂ OMe	CONH(CH ₂) ₂ OMe	H	H	NH
Me	CH ₂ OMe	CONH ₂	H	H	NH
Me	CH ₂ OMe	CON-morpholine	H	H	NH
Me	CH ₂ OMe	CONMe ₂	H	H	NH
Me	CH ₂ OMe	CH ₂ O(CH ₂) ₂ OMe	H	H	NH
Me	CH ₂ OMe	CON-aziridine	H	H	NH
Me	CH ₂ OMe	COOEt	H	H	NH
Me	CH ₂ OMe	COOH	H	H	NH
Me	CH ₂ OMe	CON-azetidine	H	H	NH
Me	CH ₂ OMe	CONH(CH ₂) ₂ Me	H	H	NH
Me	CH ₂ OMe	CONHCH ₂ CHOHCH ₂ OH	H	H	NH
Me	CH ₂ OMe	NCH ₃ COCH ₃	H	H	NH

R1	R2	R3	R4	R5	X
Me	CH ₂ OMe	NHCOCH ₃	H	H	NH
Me	CH ₂ OMe	NHCOCH ₂ OMe	H	H	NH
Me	CH ₂ OMe	NHCO(CH ₂) ₂ OMe	H	H	NH
Me	CH ₂ OMe	OCH ₂ OMe	H	H	NH
Me	CH ₂ OMe	O(CH ₂) ₂ OMe	H	H	NH
Me	CH ₂ OMe	CONH-cyclopropyl	H	H	NH
Me	CH ₂ OMe	H	H	H	NH
Me	H	CH ₂ OCH ₃	H	H	NH
Me	H	CONHMe	H	H	NH
Me	H	CON-pyrrolidine	H	H	NH
Me	H	CONH(CH ₂) ₂ OH	H	H	NH
Me	H	CONH(CH ₂) ₂ OMe	H	H	NH
Me	H	CONH ₂	H	H	NH
Me	H	CON-morpholine	H	H	NH
Me	H	CONMe ₂	H	H	NH
Me	H	CH ₂ O(CH ₂) ₂ OMe	H	H	NH
Me	H	CON-aziridine	H	H	NH
Me	H	COOEt	H	H	NH
Me	H	COOH	H	H	NH
Me	H	CON-azetidine	H	H	NH
Me	H	CONH(CH ₂) ₂ Me	H	H	NH
Me	H	CONHCH ₂ CHOHCH ₂ OH	H	H	NH
Me	H	NCH ₃ COCH ₃	H	H	NH
Me	H	NHCOCH ₃	H	H	NH
Me	H	NHCOCH ₂ OMe	H	H	NH
Me	H	NHCO(CH ₂) ₂ OMe	H	H	NH
Me	H	OCH ₂ OMe	H	H	NH
Me	H	O(CH ₂) ₂ OMe	H	H	NH
Me	H	CONH-cyclopropyl	H	H	NH
Me	H	H	H	H	NH

or a hydrate, solvate, salt, hydrate of a salt or solvate of a salt thereof.

16. (New) A compound according to claim 1 which is selected from the group consisting of

2,3-Dimethyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-a]imidazole-5-carboxylic acid dimethylamide,

2,3-Dimethyl-8-phenyl-6,7,8,9-tetrahydro-3H-imidazo[4,5-h]quinoline-5-carboxylic acid dimethylamide,

2,3-Dimethyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-d]imidazole-5-carboxylic acid amide,
2,3-Dimethyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-d]imidazole-5-carboxylic acid methylamide,
2,3-Dimethyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-d]imidazole-5-carboxylic acid (2-hydroxy-ethyl)-amide,
2,3-Dimethyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-d]imidazole-5-carboxylic acid (2-methoxy-ethyl)-amide,
1-(2,3-Dimethyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-d]imidazol-5-yl)-1-morpholin-4-yl-methanone,
1-(2,3-Dimethyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-d]imidazol-5-yl)-1-pyrrolidin-1-yl-methanone,
2-Isopropyl-3-methyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-d]imidazole-5-carboxylic acid dimethylamide,
2-Cyclopropyl-3-methyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-d]imidazole-5-carboxylic acid dimethylamide,
5-Methoxymethyl-2,3-dimethyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-d]imidazole oxalic acid,
5-(2-Methoxy-ethoxymethyl)-2,3-dimethyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-d]-imidazole oxalic acid,
1-Aziridin-1-yl-1-(2,3-dimethyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-d]imidazol-5-yl)-methanone,

3-Methyl-8-phenyl-2-trifluoromethyl-3,6,7,8-tetrahydro-chromeno[7,8-d]imidazole-5-carboxylic acid dimethylamide,
2,3-Dimethyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-d]imidazole-5-carboxylic acid ethyl ester,
2,3-Dimethyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-d]imidazole-5-carboxylic acid,
(2,3-Dimethyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-d]imidazol-5-yl)-methanol,
1-Azetidin-1-yl-1-(2,3-dimethyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-d]imidazol-5-yl)-methanone,
2,3-Dimethyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-d]imidazole-5-carboxylic acid propyl-amide,
1-(2,3-Dimethyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-d]imidazol-5-yl)-1-(3-hydroxy-pyrrolidin-1-yl)-methanone,
2,3-Dimethyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-d]imidazole-5-carboxylic acid (2,3-dihydroxy-propyl)-amide,
3-Methoxymethyl-2-methyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-d]imidazole-5-carboxylic Acid Dimethylamide,
N-(2,3-Dimethyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-d]imidazol-5-yl)-N-methyl-acetamide,
2-Ethyl-3-methyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-d]imidazole-5-carboxylic acid dimethylamide,

Ethyl 2,3-dimethyl-8-phenyl-6,7,8,9-tetrahydro-3H-imidazo[4,5-h]quinoline-5-carboxylate,
2,3-Dimethyl-8-phenyl-6,7,8,9-tetrahydro-3H-imidazo[4,5-h]quinoline-5-carboxylic acid,
2,3-Dimethyl-8-phenyl-6,7,8,9-tetrahydro-3H-imidazo[4,5-h]quinoline-5-carboxylic acid 2-hydroxy-ethylamide,
2,3-Dimethyl-8-phenyl-6,7,8,9-tetrahydro-3H-imidazo[4,5-h]quinoline-5-carboxylic acid amide,
2,3-Dimethyl-8-phenyl-6,7,8,9-tetrahydro-3H-imidazo[4,5-h]quinoline-5-carboxylic acid methylamide,
2,3-Dimethyl-8-phenyl-6,7,8,9-tetrahydro-3H-imidazo[4,5-h]quinoline-5-carboxylic acid 1-aziridiny-1-ylamide,
5-Hydroxymethyl-2,3-dimethyl-8-phenyl-6,7,8,9-tetrahydro-3H-imidazo[4,5-h]quinoline,
(8S)- and (8R)-2,3-Dimethyl-8-phenyl-6,7,8,9-tetrahydro-3H-imidazo[4,5-h]quinoline-5-carboxylic acid methylamide,
(8S)-2,3-Dimethyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-d]imidazole-5-carboxylic acid dimethylamide,
(8R)-2,3-Dimethyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-d]imidazole-5-carboxylic acid dimethylamide,
2,3-Dimethyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-d]imidazole-5-carboxylic acid cyclopropylamide,

2,3-Dimethyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-

d]imidazole,

2-Methyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-

d]imidazole-5-carboxylic acid dimethylamide,

(S)-2,3-Dimethyl-8-phenyl-3,6,7,8-tetrahydro-chromeno[7,8-

d]imidazole-5-carboxylic acid dimethylamide,

and the hydrates, solvates, salts, hydrates of the salts

and solvates of the salts thereof.